

12/29/00

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>		Attorney Docket No.	201482US0XCIP	JC813 U.S. PTO 09/749998
		First Inventor or Application Identifier	Isao KARUBE	
		Title	METHOD FOR DETECTING DNA WITH PROBE PNA	
		Assignee Name: ISAO KARUBE AND DAI NIPPON PRINTING CO., LTD. #4/A Assignee Address: 1-3-16, Higashi-Arima, Miyamae-Ku, Kawasaki-Shi, Kanagawa-Ken, JAPAN & 1-1, Ichigaya-Kaga-Cho 1-Chome, Shinjuku-Ku, Tokyo-To, JAPAN AD		

**APPLICATION ELEMENTS**  
See MPEP chapter 600 concerning utility patent application contents

1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g. PTO/SB/17) (Submit an original and a duplicate for fee processing)	Total Sheets <b>22</b>
2. <input checked="" type="checkbox"/> Specification	Total Sheets <b>6</b>
3. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113)	Total Sheets <b>6</b>
4. <input type="checkbox"/> Oath or Declaration	Total Pages <b>      </b>
a. <input type="checkbox"/> Newly executed (original or copy)	
b. <input type="checkbox"/> Copy from a prior application (37 C.F.R. §1.63(d)) (for continuation / divisional w/ box 16 completed)	
i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §1.63(d)(2) and 1.33(b).	
5. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)	
6. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)	
a. <input type="checkbox"/> Computer Readable Form (CRF)	
b. Specification or Sequence Listing on:	
i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or	
ii. <input type="checkbox"/> Paper	
c. <input type="checkbox"/> Statements verifying identity of above copies	

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

**ACCOMPANYING APPLICATION PARTS**

- 7.  Assignment Papers (cover sheet & document(s))
- 8.  Application Data Sheet. See 37 CFR 1.76
- 9.  37 C.F.R. §3.73(b) Statement  Power of Attorney  
(when there is an assignee)
- 10.  English Translation Document (if applicable)
- 11.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS  
Citations
- 12.  Preliminary Amendment
- 13.  White Advance Serial No. Postcard
- 14.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
- 15.  Applicant claims small entity status.  
See 37 CFR 1.27
- 16.  Other: Request for Priority w/copy of PCT/IB/304  
List of Inventors Names and Addresses

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below:

Continuation       Divisional       Continuation-in-part (CIP)      of prior application no.: 09/147,791

Prior application information: Examiner: Enewold, J.

Group Art Unit: 1655

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. Amend the specification by inserting before the first line the sentence:

This application is a  Continuation  Division  Continuation-in-part (CIP)  
of application Serial No. 09/147,791 Filed on March 9, 1999, pending, which was filed as International  
Application PCT/JP98/03077, filed July 9, 1998.

Which was published in English  
 Which was not published in English  
 This application claims priority of provisional application Serial No. Filed

19. CORRESPONDENCE ADDRESS



**22850**

(703) 413-3000  
FACSIMILE: (703) 413-2220

Name:	Norman F. Oblon	Registration No.:	24,618
Signature:		Date:	12/29/00
Name:	Daniel J. Pereira, Ph.D.	Registration No.:	45,518

Docket No.

201482US0XCIP

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Isao KARUBE et al

FILING DATE: Herewith

FOR: METHOD FOR DETECTING DNA WITH PROBE PNA

JC 013 U.S. PTO  
09/749998  
12/29/00

**LIST OF INVENTORS' NAMES AND ADDRESSES**

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

Listed below are the names and addresses of the inventors for the above-identified patent application.

Isao KARUB

1-3-16, Higashi-Arima, Miyamae-Ku, Kawasaki-Shi,  
Kanagawa-Ken, Japan

Shinya SAWATA

3458-3, Kandatsu-Machi, Tsuchiura-Shi, Ibaraki-Ken,  
Japan

Ryohei NAGATA

c/o Dai Nippon Printing Co., Ltd., 1-1, Ichigaya-Kaga-  
Cho, 1-Chome, Shinjuku-Ku, Tokyo-To, Japan

A declaration containing all the necessary information will be submitted at a later date.

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.



Norman F. Oblon  
Registration No. 24,618

Daniel J. Pereira, Ph.D.  
Registration No. 45,518



**22850**

Tel. (703) 413-3000  
Fax. (703) 413-2220  
(OSMMN 11/98)

Docket No.

201482US0Xcip

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR(S) Isao KARUBE et al

SERIAL NO: New Application

FILING DATE: Herewith

FOR: METHOD FOR DETECTING DNA WITH PROBE PNA

**FEE TRANSMITTAL**

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

FOR	NUMBER FILED	NUMBER EXTRA	RATE	CALCULATIONS
TOTAL CLAIMS	20 - 20 = 0	0	x \$18 =	\$0.00
INDEPENDENT CLAIMS	3 - 3 = 0	0	x \$80 =	\$0.00
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS (If applicable)			+ \$270 =	\$0.00
<input checked="" type="checkbox"/> LATE FILING OF DECLARATION			+ \$130 =	\$130.00
			BASIC FEE	\$710.00
			TOTAL OF ABOVE CALCULATIONS	\$840.00
<input type="checkbox"/> REDUCTION BY 50% FOR FILING BY SMALL ENTITY				\$0.00
<input type="checkbox"/> FILING IN NON-ENGLISH LANGUAGE			+ \$130 =	\$0.00
<input type="checkbox"/> RECORDATION OF ASSIGNMENT			+ \$40 =	\$0.00
			TOTAL	\$840.00

Please charge Deposit Account No. 15-0030 in the amount of

A duplicate copy of this sheet is enclosed.

A check in the amount of **\$840.00** to cover the filing fee is enclosed.

The Commissioner is hereby authorized to charge any additional fees which may be required for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to Deposit Account No. 15-0030.  
A duplicate copy of this sheet is enclosed.

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

  
\_\_\_\_\_  
Norman E. Oblon  
Registration No. 24,618

Daniel J. Pereira, Ph.D.  
Registration No. 45,518

Date: 12/29/00



**22850**

Tel. (703) 413-3000  
Fax. (703) 413-2220  
(OSMMN 10/00)

PATENT APPLICATION SERIAL NO. \_\_\_\_\_

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE  
FEE RECORD SHEET

01/03/2001 FFANAEIA 00000060 09749998

01 FC:101 710.00 OP  
02 FC:105 130.00 OP

03/08/2001 YGIZAW 00000022 150030 09749998

01 FC:102 80.00 CH

PTO-1556  
(5/87)